

# ABSTRACT

There have been desired a virus vector useful for treatment and diagnosis of tumors such as malignant melanoma which is resistant to conventional therapeutic methods and poor in prognosis, and a diagnostic method and a therapeutic method of tumors using the virus vector.

The present invention provides a virus vector comprising a virus structural protein fused with a ligand which specifically binds to a melanocyte-stimulating hormone (MSH) receptor, and a diagnostic agent and therapeutic agent for a tumor using the vector.